



XFx Part Numbers:
P1-650S-CAB9
P1-650S-NLB9

XFx XPS-650W-SEW

650W ATX12V/EPS12V Power Supply

Type
ATX12V /
EPS12V
Wattage
650W
+12V Rail
Single



Main Stream



RADEON
CROSSFIRE
READY



EasyRail™
Technology



ONE RAIL, ONE SETUP, ONE OBVIOUS PSU CHOICE.

XFx PSUs are designed to deliver tight DC voltage regulation with minimal AC ripple, giving you safer, cleaner power which along with XFx's new EasyRail™ Technology allows you to connect numerous devices without worrying about running out of power before reaching the maximum wattage. EasyRail™ optimizes it all for you. Available in 650W, 750W and 850W, XFx ProSeries PSUs with EasyRail™ Technology gives you one continuous rail of power covering the total maximum wattage.

- 650W of continuous power at 50°C
- High quality Japanese brand capacitors (105°C)
- Tight voltage regulation (±5%)
- High efficiency operation up to 85% (80 PLUS Bronze)
- Single, high power +12V rail (up to 53A/636W)
- DC to DC Voltage Regulator modules for +3.3V and +5V
- Solid polymer caps provide enhanced reliability and stability
- Quiet 135mm ball bearing fan provides superior cooling
- Supports multiple high-end graphic cards (SLI & CrossFire)
- Active Power Factor Correction



XFx XPS-650W-SEW

650W ATX12V/EPS12V Power Supply



XFx 650W PSU Core Edition

P1-650S-CAB9 shown here



P1-650S-CAB9 shown here

FIXED CABLES/CONNECTORS

- (1) Main Power ATX 20+4-pin
- (1) ATX 12V/EPS12V 4+4-pin
- (2) PCI-E 6+2-pin
- (2) PCI-E 6-pin
- (8) Serial ATA 15-pin
- (7) Peripheral 4-pin
- (1) FDD 4-pin



True Wattage Guarantee

The wattage you see isn't always the wattage you get. Some brands tweak tests to achieve great wattage ratings, but in reality, they deliver much lower maximum wattages. Don't be fooled by wattage tricks.

Continuous Power

Other PSUs claim a certain wattage by using unrealistic testing environments like 25°C, but in realistic conditions, they often fail to reach this wattage. XFX PSUs guarantee the advertised wattage, even at well above standard operating conditions such as 50°C.



Efficient Power Use

80 Plus Bronze certified means that this XFX PSU has an 85% power efficiency (only 15% of the power drawn from the outlet is lost). Compare that to non-certified PSUs, which lose at least 20% of power drawn. With the XFX PSU, get every watt you pay for.

Clean Power

Power drawn from your AC outlet is typically dirty with voltage spikes and fluctuations, which can harm vital PC components. XFX PSUs are designed to deliver tight DC voltage regulation with minimal AC ripple, giving you safer, cleaner power. This can also reduce audio distortion and screen flicker especially for high power gaming systems

Key Benefits to User

Industrial Design: It's what's on the inside that counts but we got both bases covered.

Easy Rail: With a Single Rail +12V, it gives ample 12V output with OCP for reliability.

Tight Voltage Regulation (±5%): Improved load regulation to reduce voltage variations gives the user a more stable machine.

XFx Products Chart for this PSU

Model Number	Version	Wattage	+3.3V	+5V	+12V	-12V	+5VSB	Input Voltage	Input Current	Input Frequency	Active PFC	Cooling Fan
P1-650S-CAB9	Core	650W	25A	25A	53A	0.5A	3A	90-264 VAC	9A	47-63 Hz	Yes	Yes
P1-650S-NLB9	Core	650W	25A	25A	53A	0.5A	3A	90-264 VAC	9A	47-63 Hz	Yes	Yes

* Specifications subject to change without notice. Power supply appearance may vary. XFX power supplies come with a 5-year Limited Warranty, subject to registration. See XFXforce.com for details and latest product information.